Summary

Mobile Reporting offered by Invensys provides real-time access to critical KPIs and process data via popular smart phones and other mobile devices, enabling decision makers in the process, power and manufacturing industries to be better informed of their facilities' operational performance.

Business Value

- Improve operational awareness
- Improve decision making
- Accelerate troubleshooting
- Enhance collaboration
- Improve agility

Wonderware Mobile Reporting

SmartGlance & Wonderware Mobile Reporting Connector

SMART DECISIONS, ANYWHERE, ANYTIME

Imagine having access to your most important plant floor data from anywhere, at any time, using your smart phone. Not browser based reports with their inherent delays and viewing problems, but a native phone application that presents your data in a format you can easily read and manipulate using your phone's screen navigation features.

Wonderware Mobile Reporting is comprised of SmartGlance, Sarla Analytics' smart phone reporting service and the Wonderware Mobile Reporting Connector, which provides data connectivity to the Wonderware Historian and other data sources.

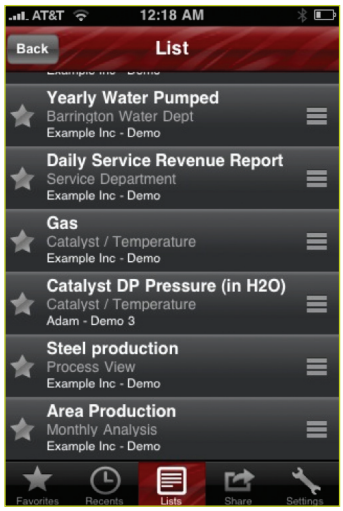
Working together, data reports are sent to your phone and are updated automatically, so they are ready when you need them. SmartGlance supports state-of-the-art mobile devices as the Apple iPhone, iPad, iPod Touch and many of the Blackberry devices. Android and Microsoft Phone 7 are also on the way.

INNOVATIVE TECHNOLOGIES DRIVE MOBILE REPORTING

Two of today's hottest technologies drive our Mobile Reporting solution – cloud computing and smart phone apps. Just about everyone has a smart phone today and the SmartGlance phone app leverages this technology so your plant data is always available on your phone.

Many of today's top companies are using cloud computing to provide their workers with important company information in a highly cost effective and secure manner. SmartGlance leverages the cloud to provide you with critical plant performance data at the lowest possible cost.

KEY CAPABILITIES–MOBILE REPORTING



Critical Data at Your Fingertips

SmartGlance connects your mobile phone with any corporate or production system data source. Virtually any electronic data that is delivered to your desktop can be transformed into a graphical report for real time viewing on your mobile smart phone or device. There is no limit to the number of reports or number of rows in a report.

- View real time or historical data reports
- View KPIs, track changes, take action
- Arrange, sort and filter reports based on your priority

Graphical Reports

You choose which reports you want and view them as tables, pie charts, bar charts, line graphs, or other formats. SmartGlance displays your information in a graphical format optimized for the small screen of your mobile phone without having to scroll left and right to view the entire report. Simply swipe the screen to view the next report.

- View rich graphics – tables, line charts, bar charts, pie charts
- Optimized for easy viewing on a small screen
- No left-right scrolling to view reports
- Navigate using your phone's native "touch" features
- Versatile viewing options

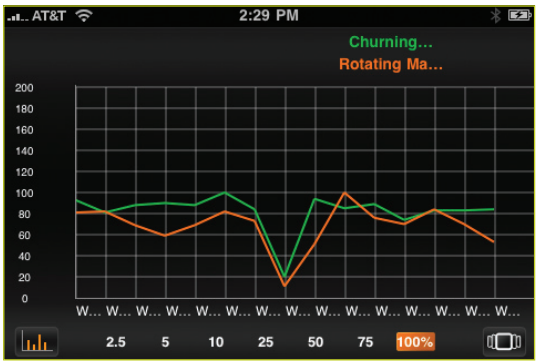
Real-Time Data

SmartGlance delivers data from your data sources to your mobile phone in real-time. SmartGlance displays up-to-the-minute information so you always have the most accurate information on hand. SmartGlance can also be configured to automatically update the screen while you are viewing it.

- Automatic data updates
- Connect to any SQL compatible database
- View familiar report styles
- 24 x 7 access from anywhere

In-Depth Analysis

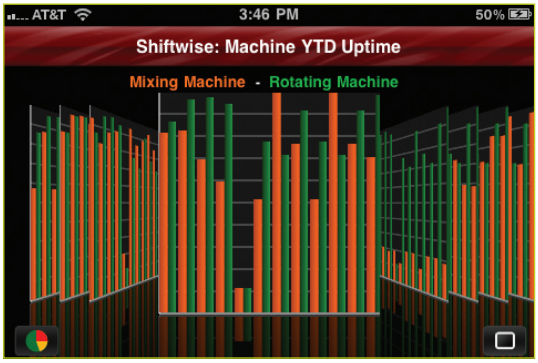
SmartGlance uses the convenience of your smart phone "touch screen" functions (if available) to let you manipulate your graphs or charts for further analysis. You can zoom into areas of interest or zoom out to see the big picture. You can even view two reports or two elements within a report at the same time for easy comparison.



- Powerful touch screen analytics
- Choose and expand data elements to identify trends
- Compare data by time, data, or other criteria
- Customize report
- Share reports with your colleagues

Make More Informed Decisions

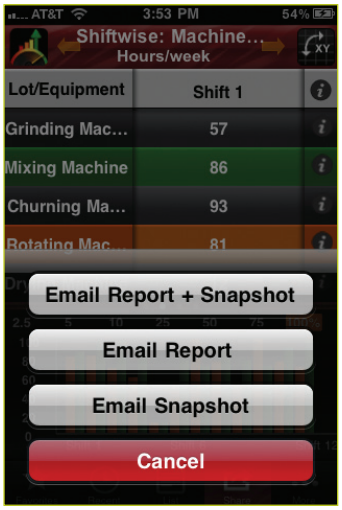
Just because you aren't in the office, you shouldn't be at a disadvantage. This is the power of SmartGlance. Make better, more informed decisions based on real-time information accessible from anywhere, at anytime. While you may be on the road or away from your office, your critical business information is always available.



- Easily compare your data with Target or Benchmark
- Instantly flip through hundreds of reports comparing data to help pinpoint problems

Tools to Take Actions

Share feature allows a report or data graph to be sent by email to someone else on your team. So, regardless of where you are, you can initiate action on a potential problem. Another feature is a dynamic "i" button that provides hot links to a phone number or email address of a specific person. Operating procedures/instructions or a system diagram can also be made available through the "i" button via a web link (URL).



WONDERWARE MOBILE REPORTING CONNECTOR

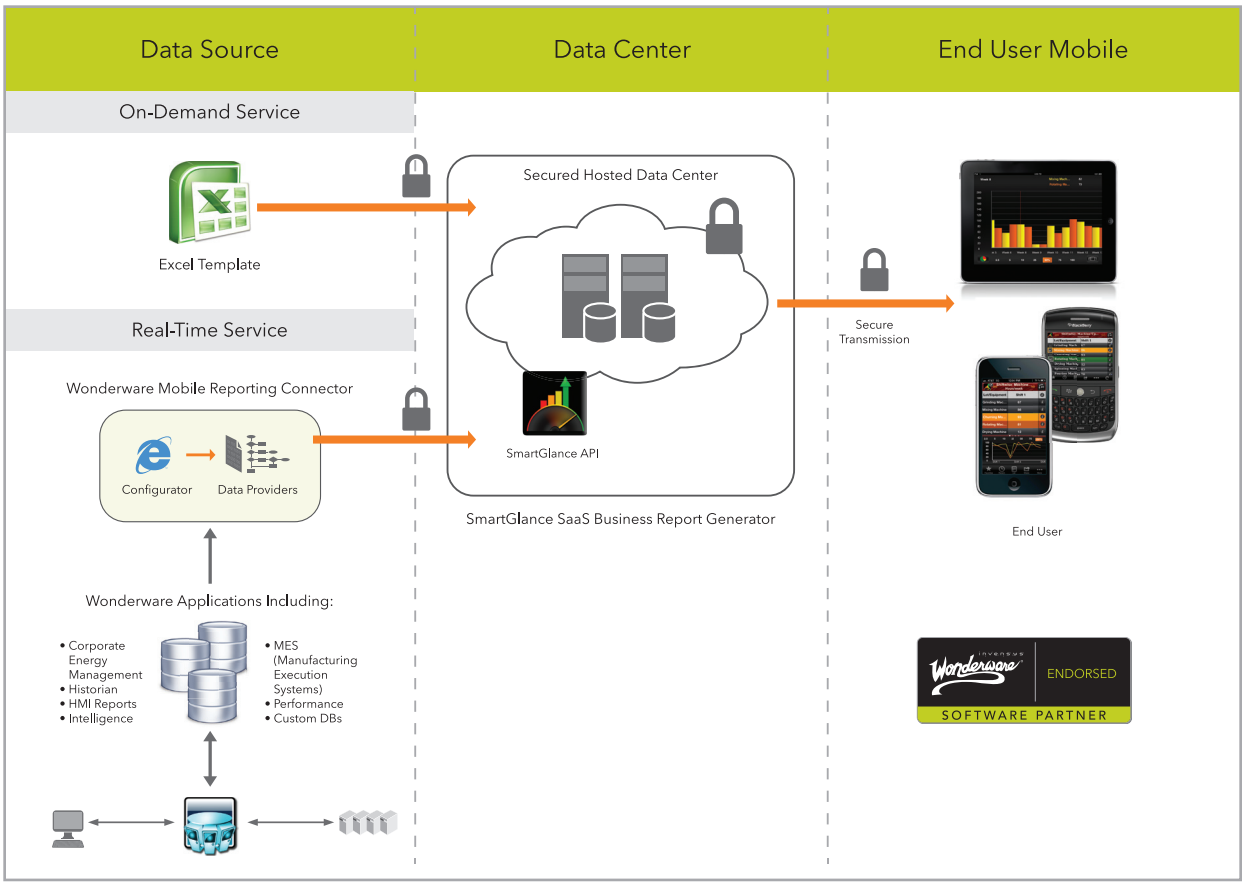
The Wonderware Mobile Reporting Connector provides report configuration, formatting and data connectivity services to SmartGlance. Wonderware Historian data is supported along with data from any ADO.NET compatible data source for enhanced data access to third party data sources/systems.

Data security features are built-in and the connector allows easy browsing and selection of data tags for SmartGlance reports from multiple Historians – no special SQL queries are needed saving valuable IT resources. The connectivity is robust with "Store and Forward" functionality built-in to ensure that only complete reports are sent to your smart phone.

Administration of users and user groups is also included enabling specific users or user groups to receive only the reports related to their job function.

The cloud-based SmartGlance SaaS Business Report Generator then manages the secure delivery of the prepared reports to authorized mobile devices for real-time data review and analysis.

The Wonderware Mobile Reporting Connector is fully supported by the award winning Wonderware Technical Support organization.



DATA SECURITY

Today, data security is a primary concern. SmartGlance has been developed using the three pillars of secure connectivity – Authentication, Authorization and Encryption.

Authentication

SmartGlance users achieve authentication by registering the phone hardware with your login in the service. This registration ensures that only a "Registered and Authenticated" phone can access the SmartGlance service. Each communication message has built-in authentication.

Authorization

Mobile-Level authorization – In addition to device authentication mentioned above, the user must be authorized to use the service. Unless a user has a password, they will not be allowed to use the service and access data. So, the user must log in from their registered and authenticated phone and must have their password to access the service. This level of authorization is particularly important if the user loses their phone hardware.

Report-Level Authorization – When your system administrator sends plant data to SmartGlance's hosted service, they are required to enter the email addresses of authorized viewers. So, each report that comes to the host system will have a list of email addresses that are authorized to view that report. So, if a user is not authorized to view a particular report, their email address will not be in the report.

Encryption

All SmartGlance data is encrypted (128 bit encryption) prior to transmission to ensure security. The SmartGlance SaaS Business Report Generator hosting service operates under full encryption using a secure site (HTTPS) verified by a third party (VeriSign Thawte) security certificate.

Additionally, all data aggregation for your SmartGlance reports is done within your internal network and behind the firewall.

Other Options

If a non-hosted approach is required, a secured plant-wide Wi-Fi network can be used as an alternative to cellular networks to still enable mobile reporting within the confines of the facility. This solution, although requiring a higher investment in IT resources and capital, would still allow the benefits of a SmartGlance Mobile Reports implementation, while keeping all data exchange and mobile reporting in a restricted space.

SUPPORTED MOBILE DEVICES

- Apple Products:
- iPhone – 2G, 3G, 3GS, 4,
- iPod Touch – all versions
- iPad

BlackBerry Products:

- BlackBerry Curve 8300, 8310, 8320, 8330, 8350i
- BlackBerry Curve 8500, 8530, 8520
- BlackBerry 8700, 8703e, 8707
- BlackBerry 8800, 8820, 8830
- BlackBerry Curve 8900 and 8910
- BlackBerry Curve 9300, 9330
- BlackBerry Bold 9650, 9700, 9780
- BlackBerry Tour 9630
- BlackBerry Storm 9500, 9530
- BlackBerry Torch 9800

SUPPORTED DATA SOURCES

- Native support for Wonderware Historian V9.0 and V10.0
- Custom Ad-Hoc SQL Query support for Wonderware MES, Wonderware Intelligence, Wonderware Corporate Energy Management (CEM) or other Microsoft SQL based database

WHERE TO LEARN MORE

Already have an iPhone, iPad or Blackberry? Start using SmartGlance right away!

Log into the Apple App Store or BlackBerry App World directly from your phone and search for "SmartGlance."

Download the app (iPhone or Blackberry) and log in as a registered user with the following credentials:

- Username: demo@invensys.com
- Password: password

For more information on how the SmartGlance Reporting Solution can help you, visit www.smartglance.com.

Watch SmartGlance videos at www.smartglance.com/video-gallery.html

Available on the App Store

Get it at BlackBerry App World

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